

Title (en)

Polyether ester elastomer composition for automobile constant velocity joint boot.

Title (de)

Polyetheresterelastomer-Mischung für dichtungs-Manschette einer homokinetischen Kupplung.

Title (fr)

Composition de polyéther ester elastomère pour soufflet d'étanchéité de joint homocinétique.

Publication

EP 0784079 A3 19980603 (EN)

Application

EP 96118362 A 19961115

Priority

- JP 29823995 A 19951116
- JP 25571896 A 19960927

Abstract (en)

[origin: EP0784079A2] A resin composition for automobile constant velocity joint boots having a surface hardness (Shore-D) of 34 SIMILAR 44, and obtainable by melt mixing as essential components: 100 parts by weight of polyester elastomer (A); and, for every 100 parts by weight of said polyester elastomer (A), 0.05 SIMILAR 7.0 parts by weight of organic polyisocyanate compound (B); and 0.1 SIMILAR 5.0 parts by weight of silicone compound (C). A molded automobile constant velocity joint boot molded therefrom is superior in abrasion resistance, and flexibility.

IPC 1-7

C08L 67/02; F16D 3/84; F16J 15/52

IPC 8 full level

C08G 18/42 (2006.01); **C08L 67/02** (2006.01); **F16D 3/84** (2006.01); **F16J 3/04** (2006.01)

CPC (source: EP US)

C08G 18/4252 (2013.01 - EP US); **C08L 67/025** (2013.01 - EP US); **F16D 3/845** (2013.01 - EP US); **F16J 3/041** (2013.01 - EP US); **B29L 2031/703** (2013.01 - EP US); **F16D 3/22** (2013.01 - EP); **F16D 2200/0056** (2013.01 - EP)

C-Set (source: EP US)

1. **C08L 67/025** + **C08L 83/00**
2. **C08L 67/025** + **C08L 2666/14**

Citation (search report)

- [A] EP 0596734 A1 19940511 - JAPAN SYNTHETIC RUBBER CO LTD [JP], et al
- [A] GB 2281301 A 19950301 - NTN TOYO BEARING CO LTD [JP]
- [A] EP 0180973 A2 19860514 - TOYO BOSEKI [JP]
- [A] EP 0243832 A2 19871104 - BASF AG [DE]
- [A] EP 0290230 A2 19881109 - POLYPLASTICS CO [JP]
- [PA] DATABASE WPI Week 9643, Derwent World Patents Index; AN 96-428192, XP002059555
- [PA] DATABASE WPI Week 9633, Derwent World Patents Index; AN 96-329577, XP002059556
- [A] DATABASE WPI Week 8225, Derwent World Patents Index; AN 82-51358E, XP002059557
- [A] DATABASE WPI Week 9421, Derwent World Patents Index; AN 94-174314, XP002059558
- [A] DATABASE WPI Week 9215, Derwent World Patents Index; AN 92-120236, XP002059559
- [A] DATABASE WPI Week 8625, Derwent World Patents Index; AN 86-158839, XP002059560

Cited by

CN115190900A; CN109476905A; US2020377649A1; US11814476B2; US8242562B2; WO2007095990A1; WO2006034167A1; WO2006034168A1; WO2007006527A1; WO2018019614A1; WO2021133704A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0784079 A2 19970716; **EP 0784079 A3 19980603**; **EP 0784079 B1 20010214**; CA 2190540 A1 19970517; CA 2190540 C 20040518; DE 69611777 D1 20010322; DE 69611777 T2 20010531; US 5733986 A 19980331

DOCDB simple family (application)

EP 96118362 A 19961115; CA 2190540 A 19961118; DE 69611777 T 19961115; US 74967496 A 19961115